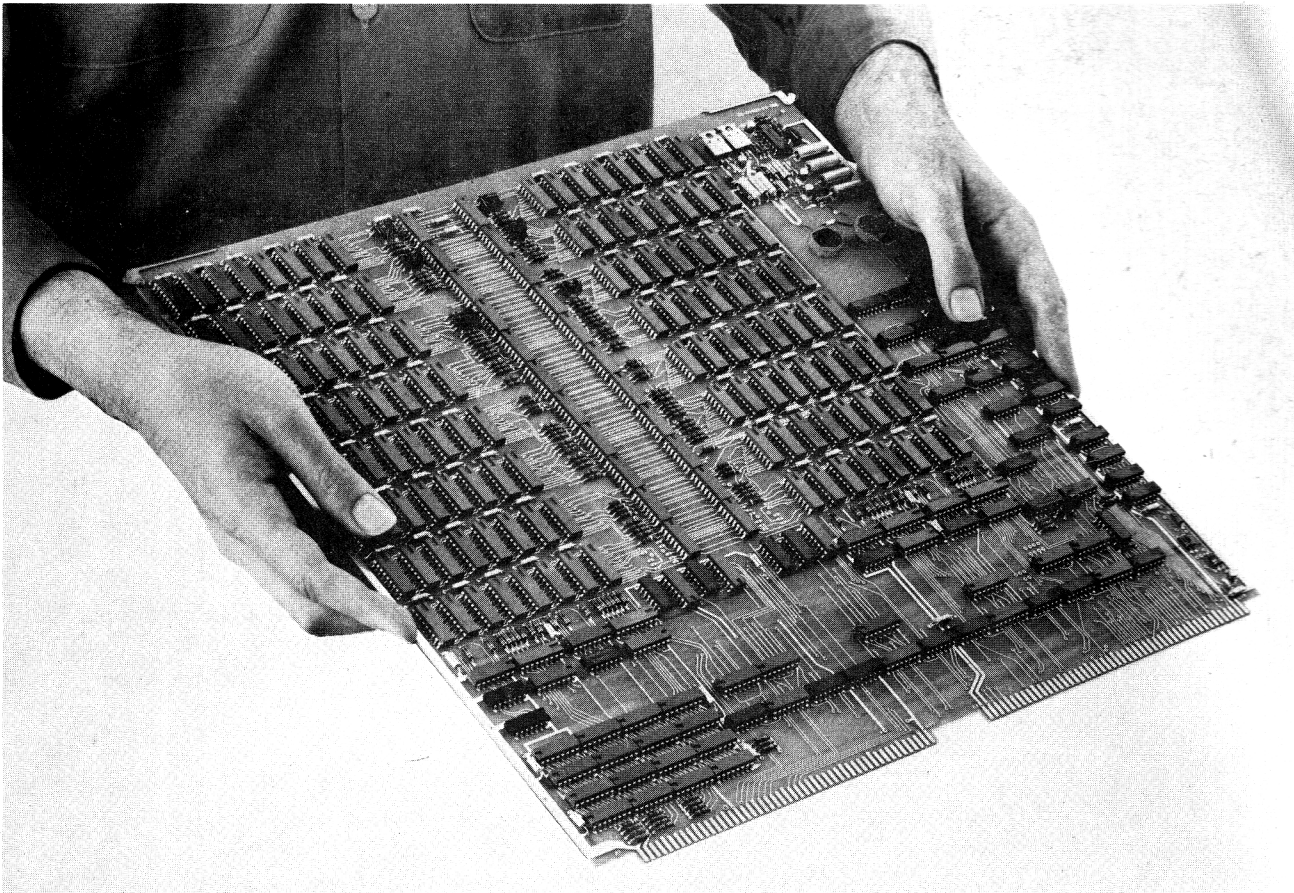


## in-1200 MEMORY SYSTEM



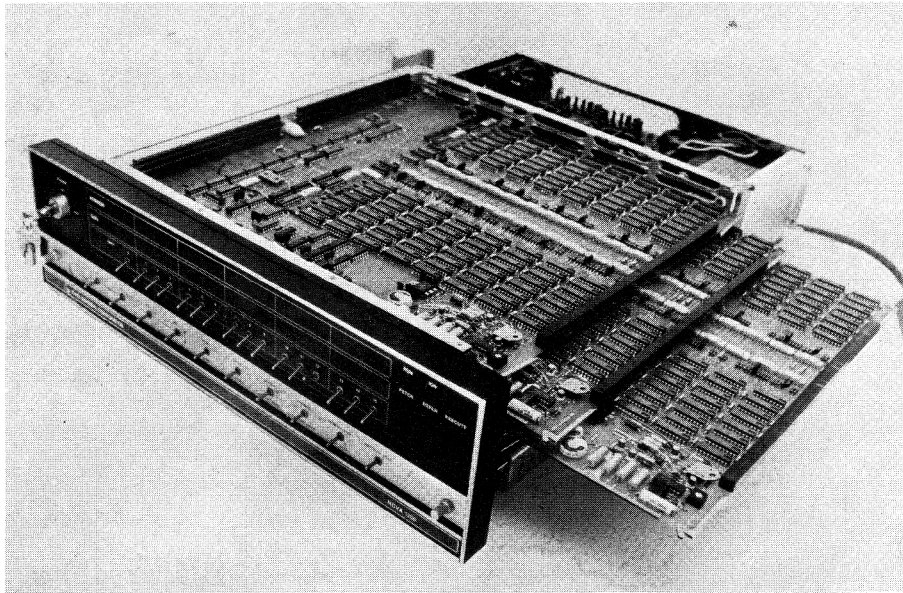
### NOVA\* 1200, 1210 & 1220 Plug-Compatible Semiconductor Memory

#### in-1200 MEMORY FEATURES:

- Plug compatible with NOVA computers
- Low Cost Memory
- High Reliability
- Module Interchangeability
- Compact Size
- Up to 8K x 16 per memory board
- 1K x 16 of PROM per board (optional)
- Field Expandable
- Complete Solid State Components

The in-1200 Memory System is plug compatible with NOVA 1200, 1210 and 1220 mini-computer systems. This system features the use of the INTEL 1103 MOS chip and is designed for high reliability and low cost operation in the NOVA computer. The in-1200 Memory System consists of up to 8K x 16 per board with an optional 1K x 16 of PROM. This system can operate with the NOVA core or replace it without C.P.U. modification.

\*NOVA is a Trademark of Data General Corp.



### SYSTEM in-1200 SPECIFICATIONS

**Dimensions:**

Memory Board (8K x 16)	15.0 Inches Wide 15.0 Inches Deep 0.5 Inches High
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To expand add 0.5" per memory card to the height.

**Capacity:**

4096 and 8192 words—expandable by the addition of more cards to 32K x 16 in NOVA 1200 and 65K x 16 in NOVA 1220 computers.

**Word Length:**

16 bits per memory card

**Cycle Time:**

1.2 microsecond

**Operational Modes:**

Read  
Write

**Input/Output:**

Compatible with NOVA I/O and memory buss

**Input Power:**

Uses standard NOVA Power Supply

**Environment:**

Temperature: 0°C to +50°C operating ambient  
-40°C to +125°C non-operating  
Relative Humidity: Up to 90% with no condensation  
Altitude: 0 to 10,000 feet operating  
Up to 50,000 feet non-operating

**Expansion:**

Expansion beyond 4 or 8K is accomplished by adding additional memory boards into the computer. The in-1200 can be supplied as either a 4K or 8K memory system. If 4K is supplied it can be upgraded to 8K by adding more memory chips to the memory board.

The in-1200 features an address selection matrix that is located on each board and is used for defining the address location of that board within the **NOVA computer** system address field.

The in-1200 can be used in conjunction with any amount of core memory that is already in the NOVA computer.

**Special Features:**

High reliability  
Complete solid state memory  
8K x 16 RAM per board  
Modular  
Completely accessible  
Inexpensive operation  
Easily expandable from 4K to 8K and above (optional) 1K x 16 INTEL 3601 PROM per memory board\*

\*The 3601 is a 256 x 4 bipolar electrically field programmable ROM. It is designed for fast programming and has wide tolerances on programming pulse width and transition time. See Intel's 3601 spec. for more details.

This memory plugs directly into NOVA back panel using same card slots as the present core memory. Tabs for ease of plugging or pulling out the memory board are same as offered by Data General.